The Van Dorn Electric Tool Co.

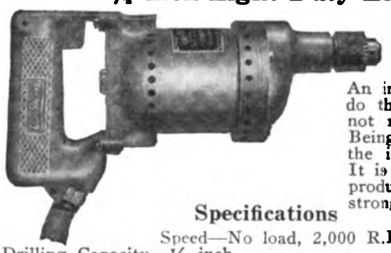
Cleveland, Ohio
Manufacturers of

Electric Drills and Grinders

For over twenty-five years Van Dorn Electric Tools have been recognized as leaders in the automotive and industrial fields. This is substantiated by the use of Van Dorn Tools in all types of industrial plants, from the smallest machine shop to the largest automobile factories, and by their universal acceptance in garages, service stations, battery shops and all other kinds of shops for the efficient and modern servicing of automobiles. This recognition has been won through constant development to meet the ever-changing demands of industry.

"Van Dorn"

¼-inch Light Duty Electric Drill

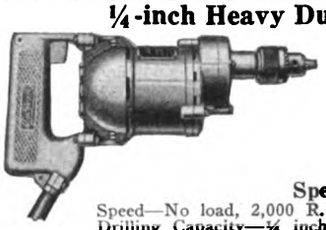


An inexpensive drill, designed to do the many little jobs that do not require a heavy duty tool. Being light and compact it is the ideal drill for the tool kit. It is not intended for continuous production drilling—but is a strong general-purpose drill.

Specifications

Speed—No load, 2,000 R.P.M.
Drilling Capacity—¼ inch.
Equipment—3-jaw Chuck, Switch, 10 ft. Cable and Plug.
Weight, 5 lbs.; Length, 10½ inches.
Code No. D-100. Price.....$25.00
Furnished for 32, 110, 220 or 250 volts.
Universal Motor operates on Direct or Alternating Current.

¼-inch Heavy Duty Electric Drill

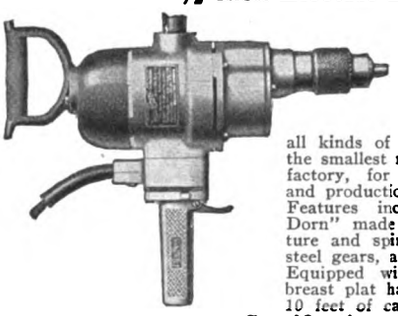


The latest development in a Heavy Duty ¼-inch Electric Drill. Adapted for speedy, continuous production drilling—also for driving Valve Seat Hones, Carbon Cleaning Brushes, Valve Guide Cleaners, Wire Brushes and other attachments used daily in Service Stations.

Specifications

Speed—No load, 2,000 R.P.M.
Drilling Capacity—¼ inch.
Equipment—3-jaw chuck; 10 ft. electric cable with plug.
Weight—5⅓ pounds. Shipping weight—7½ pounds.
Code No. D-8100. Price.....$36.00
Furnished for 32, 110, 220 or 250 volts.
Universal Motor operates on Direct or Alternating Current.

½-inch Electric Drill

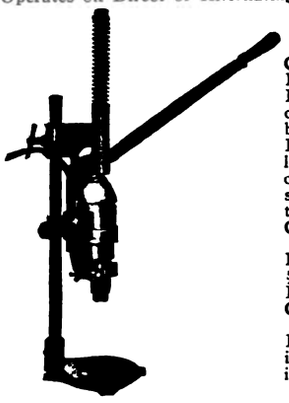


This ½-inch Drill with the Bench Drill Stand is indispensable in the shops of all plumbers, electricians, sheet-metal workers and contractors—automobile, aircraft, tire and battery repair shops—and all kinds of manufacturing plants from the smallest machine shop to the largest factory, for use in both maintenance and production work.
Features include the powerful "Van Dorn" made motor, ball-bearing armature and spindle thrust, hardened alloy steel gears, and automatic safety switch. Equipped with combination spade and breast plat handle, three jaw chuck and 10 feet of cable with plug.

Specifications

Speed—540 R.P.M. no load.
Drilling Capacity—½ in.
Length—16⅝ inches.
Weight—15 pounds.
Code No. 8600. Price.....$45.00
Furnished for 32, 110, 220 and 250 volts.
Operates on Direct or Alternating current.

Bench Drill Stands



Code No. DS-500. Price.....$18.00
For use only with Van Dorn ½-inch Electric Drill. This Drill Stand increases the utility of the ½-inch Drill by converting it into a VAN DORN POWERED Drill Press. A 4 to 1 leverage increases Drilling Speed. Drill can be quickly and easily removed from stand when needed for use as a portable tool.

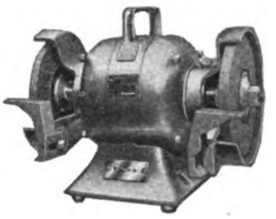
Code No. 1295. Price.....$28.00

Bench Drill Stand for ⅜-inch, ½-inch, ⅝-inch, ¾-inch and ⅞-inch Electric Drills.

Code No. 1250. Price.....$32.00

Post or Wall type Drill Stand for ⅜-inch, ½-inch, ⅝-inch, ¾-inch and ⅞-inch Electric Drills.

6-inch Bench Grinder



A rugged, efficient utility bench grinder with power and long life built in by Van Dorn. Ideal for tool dressing, sharpening hand tools and light grinding of all kinds. Convenient handle makes this grinder easily portable and rubber pads on base eliminate necessity of bolting grinder to bench for light work. Priced within reach of even the smallest shop.

Specifications

Motor—Completely enclosed, split phase type with starting current to meet latest central station requirements. Operates from lighting circuit.
Bearings—Ball bearings with dust-proof housings.
Wheel Guards—Open-end Guards, with openings adjustable. Tool rests mounted on guards and adjustable to wear of wheel.
Equipment—Two 6"x ½"x ½" grinding wheels, wheel guards and tool rests, three-wire cable and plug.
Current—Supplied for 110 volt, 50/60 cycle alternating current only.
Weight—36 pounds.
Code No. G-200. Price.....$35.00

7-inch Ball Bearing Bench Grinder

A general purpose grinder for sharpening all kinds of edge tools. Dust-proof ball bearings insure troubleproof operation. Compact design takes up very little room on work bench or pedestal. Complete with two grinding wheels, adjustable tool rests, wheel guards, switch and cable ready for use.

Specifications

Size of wheels—7-inch diameter x ¾-inch face x ½-inch hole.
Speed—3600 R.P.M. (60 cycle A. C. and D. C.)
Weight—50 pounds.
Specify voltage and current when ordering.
Code No. G-300. Price.....$56.00

Valve Refacers

Van Dorn electric valve refacers have been designed and built to meet the great demand for a machine that will reface valves with absolute accuracy, with a capacity for a wide range of valve stems—and still have further uses, such as sharpening cutters, grinding rocker arms, etc.
CONSTRUCTION FEATURES — Workhead and wheelhead belt driven. ¼-H.P. motor of the constant speed type insure the maintenance of proper grinding speed under load. The wheel shaft mounted on ball bearings. Van Dorn "Twin Grip" Collets are the means of chucking valves with maximum of accuracy. Workhead can be rotated from 0 to 90 degrees, dowelled and marked at popular settings.

VR-200 Valve Refacer

Capacity—$\frac{1}{16}$ inch to ½ inch Valve Stems.
Angle Adjustment—0 to 90°.
Specify voltage, current and cycles when ordering.
Code No. VR-200. Price.....$98.00

The Van Dorn Engine Kit

This Engine Kit contains all necessary equipment for cleaning carbon, reconditioning valve seats and testing valve grinding jobs. The kit is a strong compact metal box, with a definite place for each item of equipment. With the Van Dorn Valve Refacer, this Kit gives to the garage everything necessary for the complete Van Dorn METHOD. There is an assortment of Valve Guide Brushes, Valve Reseating Cutters, Valve Seat Hones and Expanding Pilots to handle a large majority of passenger cars and the powerful Van Dorn ¼-inch Heavy Duty Drill.

No. 52 Engine Kit, complete.
Price $105.00

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